SIROTKIN A. B.

BUGAKOV, V. S.; SIROTKIN, A. B.

Relation of the Coefficient of Diffusion to the Concentration of the Diffusing Metal.

ZMTF 7, 1577, 1937;
Techn. Phys. 4, 537, 1947

SIROTKIN, A.I. Possibility of the occurrence of ice in the Dnieper Liman of the Black Sea and in the Sea of Azov. Trudy NIIAK no.12:50-56 '61. (Dnieper Liman—Ice on rivers, lakes, etc.) (Azov, Sea of—Sea ice)

POLUSHKIN, K.K.; YEMEL'YANOV, I.Ya.; DELENS, P.A.; ZVONOV, N.V.; ALEKSENKO, Yu.I.; GROZDOV, I.I.; KUZNETSOV, S.P.; SIROTKIN, A.P.; TOKAREV, Yu.I.; LAVROVSKIY, K.P.; BRODSKIY, A.M.; BELOV, A.R.; BORISYUK, Ye.V.; GRYAZEV, V.D.; POPOV, D.N.; KORYAKIN, Yu.I.; FILIPPOV, A.G.; PETROCHUK, K.V.; KHOROSHAVIN, V.D.; SAVINOV, N.P.; MESHCHERYAKOV, M.N.; PUSHKAREV, V.P.; SUROYEGIN, V.A.; GAVRILOV, P.A.; PODLAZOV, L.N.; ROGOZHKIN, I.N.; TETYUKOV, V.D.

"Arbus" atomic power plant with organic heat transfer agent and moderator. Atom. energ. 17 no.6:439 D '64 (MIRA 18:1)

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Aleksenko, Yile I.	Grozdov, I. I.; Kuznetsov, S. P.	Sirotkin, A. P.; 10ka	Y.	
vi Lavrovski)	K. P.; Brouskly, A. M., Light	kin Vu I · Filipp	ov. ' '	
Gryazev, V. M.;	retyukov. Valle, ropovi	N P : Meshchery	akov	
A. G.; Petrochuk.	K. V.; Khoroshavin, V. D.; Savil V. P.; Suroyegin, V. A.; Gayril	ov. P. A.; Podlazov, 1	<u>* N. j</u>	
Rogozhkin, I. N.	•	a ·	**************************************	
/ <u></u>	ectric power installation "Arbus"	i th organic coolant, an	d je	
TITLE: Atomic en	ectric power mistages			
	47 - 6 1964 A	39-448	٠.,	
SOURCE: Atomnay	ya energiya, v. 17, no. 6, 1964, 4			
TODIC TAGS: 8M	nall nuclear reactor, organic cools	nt,organic moderator,	Legct-	
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A DOWN A CTI. The	paper is a summary of the SSSR #	307 report at the Third	d Inter-	
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ACCESSION NR: AP5001265

national Conference on Peaceful Uses of Atomic Energy, 1964. It describes an installation of a reactor in which organic liquid serves as the coolant, and as the moderator. The low-power reactors of about 5 Mw are expected to be economical in the remote regions where the usual energy sources are not available. A regeneration system is described for the coolant which removes the products of radiolysis. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 00

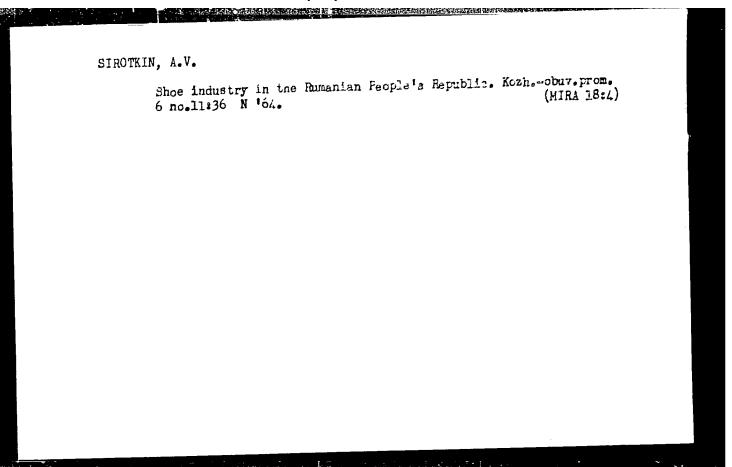
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SIROTHE, J. F.

27191 SIROTHE, J. F. - Uluchshenic Raboty Chesal'nykh Mashin. (Iz Opyta Fabriki IN. Ealachova). Tekstil. From-St: 1949, No. 8, s. 34-35.

SO: Lote is' Shurnal'nykh Statey, Vol. 36, 1949.
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SIRCTKIN, D. F., SMIRNOV, G. N.

Spinning machinery

Return of air from the dusty pits to the stripping machines., Tekst. prom. no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1958, Uncl.

- 1. SIROTKIN, D. F.
- 2. USSR (600)
- 4. Spinning Machinery
- 7. Barn yarn clearer. Tekst. prom. 12 no. 12 1952.

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9. Monthly List of Tussian Accessions, Library of Congress, March 1953. Unclassified.

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SIROTKIN, D.F.; POPOV, I.V.

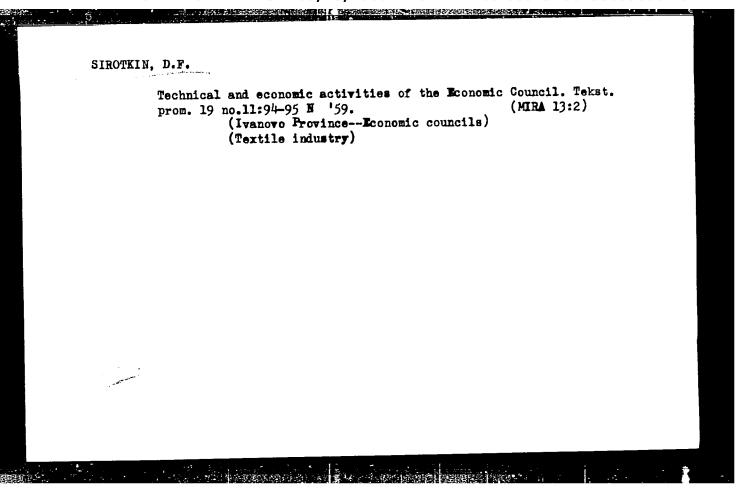
Introducing research, inventions, and suggestions on efficiency promotion. Tekst. prou. 18 no.11:40-43 N '58. (MIRA 11:12)

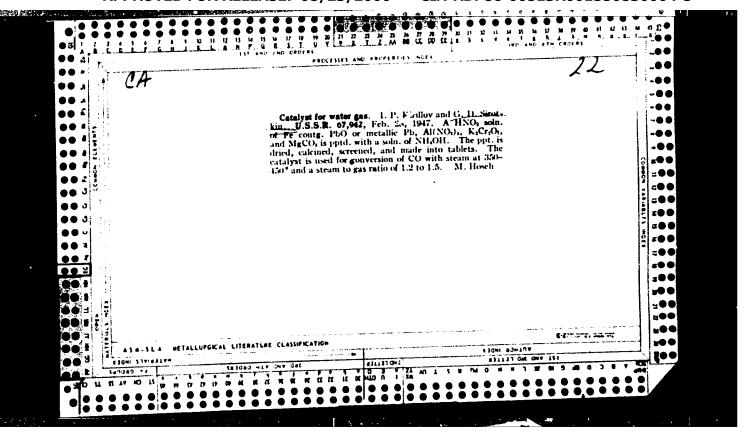
1. Uchenyy sekretar' tekhniko-ekonomicheskogo soveta Ivanovskogo sovnarkhoza (for Sirotkin). 2. Nachal'nik proizvodstvenno-tekhnicheskogo otdela sovnarkhoza (for Popov).

(Textile research)

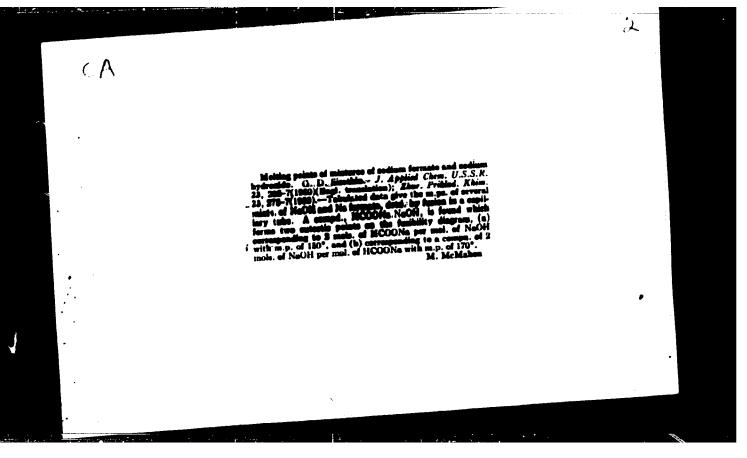
For the introduction of new methods and technology in cotton spinning. Tekst. prom. 18 no. 7:21-23 J1 '58. (MIRA 11:7)

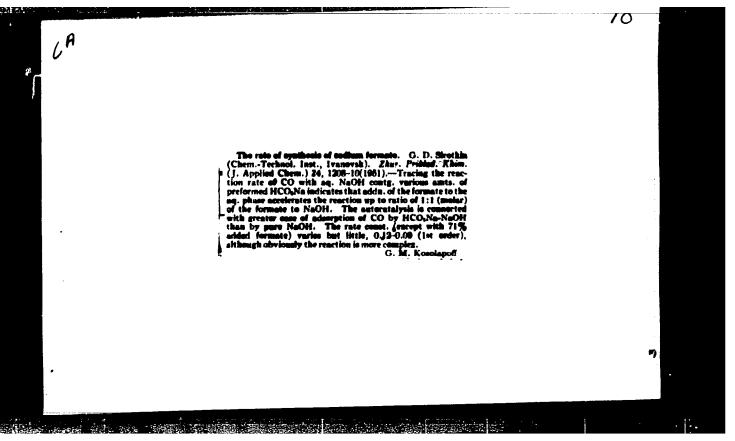
1. Uchenyy sekretar' tekhniko-ekonomicheskogo sovets Ivanovskogo sovnarkhoza. (Cotton spinning)



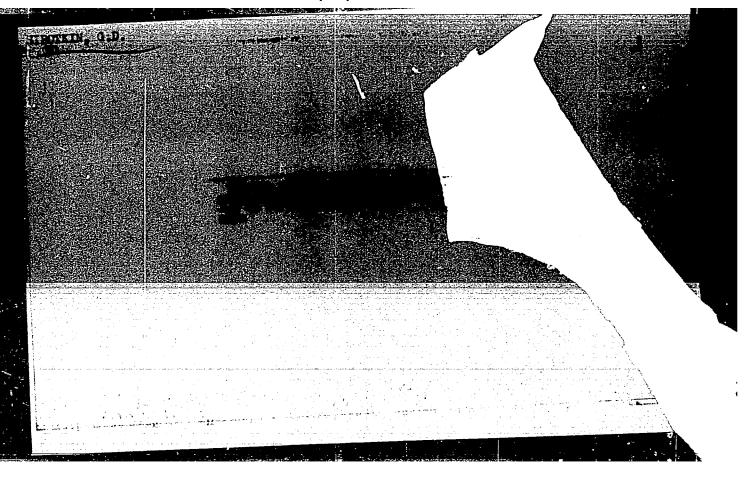


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SIRCTKIN,	G .	D.		with physicochemical transformations dioxide. Submitted 11 Jun 1947.	UMER/Chemistry - Vanadium Compounds,	Analyzed sample obtained from the Chernorechensk chesical works, where sulfuric acid is manufactured by the ical works, where sulfuric acid is manufactured by the ican that process. Sirotkin considers the usual explanations of vanadium catalyst deterioration (arsenies and excessive temperatures) to be inapplicable in this and excessive temperatures) to be inapplicable in this case, and suggests that the trouble may be connected case, and suggests that the trouble may be connected.	Tast, 4 pp "Zhur Frik Khim" Vol XXI, No 3-p. 245-8	"Deterioration on Service of a Vanadium Catalyst for Oridizing SO,," G. D. Sirotkin, Ivanovo Chem Technol	UMER/Chemistry - Vanadium Compounds, As Catalysts Sulfur Dioxide, Oxidation	
	8 110 7			of silicon	Mar 1948 (Contd)	acid is manufactured by the acid is manufactured by the considers the usual explance deterioration (areenis) to be inapplicable in this trouble may be connected a trouble may be connected.		Catalyst for Chem Technol	٩.	
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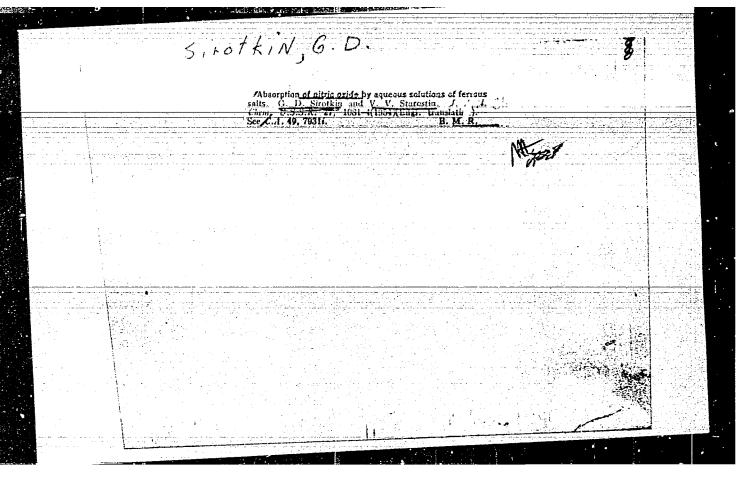


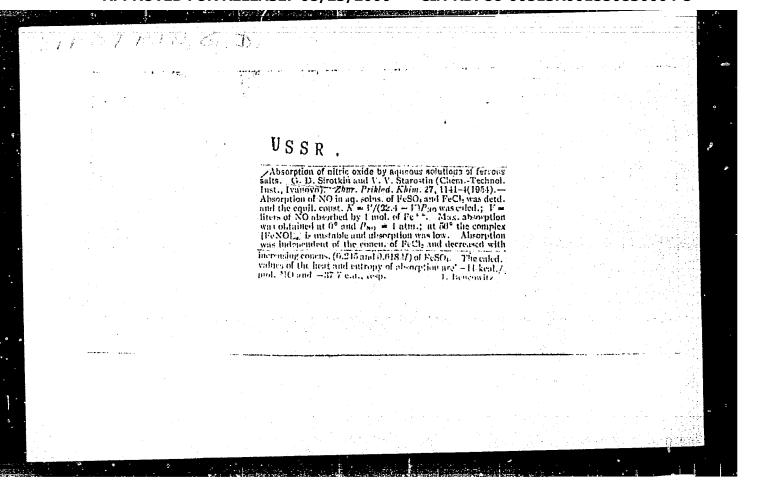
SIROTKIN, G. D.

Chemical Abstracts May 25, 1954 and Acids, Alkalies and other Heavy Chemicals יייתורי

Itilization of carbon prenoride in the production of so-filum formate. G. D. Sirotkin dyapoysk Chem. Fechnol. Inst.]. Zhur. Prikhii: Whitz: 126, 340-3 (1953).—Thermo-dynamic consts. of the reaction NaOH + CO = HCOONa calcd. by the relations of Kapustinskii and Yasimirskii (C.A. 43, 1241) and addnl. data on the effect of the partial pressure of CO uponishe rate of the reaction obtained by S. indicate that the reaction are go to completion even with the lowest CO pressures. The rate becomes too low which justifies the current industrial practice of allowing 30-40% of CO to escape with the tail gases. It is suggested that the wasted CO be absorbed in a soln. of Cu⁺, stripped, and used to enrich the original gas from the CO generator. J. B.

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05875 SOV/78-4-11-28/50

5(4) AUTHOR: Sirotkin, G. D.

The Equilibrium in the Melts of Sodium- and Potassium Nitrates

TITLE:

and Nitrites

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 11,

pp 2558 - 2563 (USSR)

ABSTRACT:

The chemical transformation of alkali nitrates at high temperatures has been dealt with several times, also by L. Osipov and A. Yevin'sh (Tevins). These investigations were mostly concerned with the qualitative determination of the thermal transformation. Therefore, the author investigated the equilibrium of the reaction MeNO₃ liqu ~ MeNO₂ liqu + 100₂ gas The chemically pure nitrates and nitrites were melted in a porcelain crucible for several hours in a crucible furnace with the air passing through. In certain intervals, samples were taken and analyzed for NO2 and NO3. At the beginning of the experiments, the nitrate-nitrite ratio always changed rapidly and approached a constant composition characteristic of the respective temperature in the course of the experiment. The dissociation process

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05875 50**V**/78-4-11-28/50

The Equilibrium in the Melts of Sodium- and Potassium Nitrates and Nitrites

is given in tables 1,2. Tables 3,4 give the equilibrium constants of the thermal dissociation of the sodium nitrate and potassium nitrate at different temperatures. The reaction of the thermal decomposition of the nitrates is accompanied by a the thermal absorption amounting to 27 kcal/g-mol for NaNO₂ and to thermal absorption amounting to 27 kcal/g-mol for NaNO₂ and to the melt considerably depends on the temperature and concentration of the nitrite. For sodium salts, it is approximately computed by the formula $\log P_{0_2} = 11 - 11800/T + 2\log \frac{\left[NaNO_2\right]}{\left[NaNO_2\right]}$; for potassium salts, by the formula $\log P_{0_2} = 10 - 11360/T + 2\log \frac{\left[KNO_2\right]}{\left[KNO_2\right]}$, in which P_{0_2} denotes the oxygen pressure in atm, $MeNO_3$ and $MeNO_2$ (Me=Na, K) denote the molar concentrations of the alkali nitrates and -nitrites, respectively. The high dependence of the oxygen pressure on the temperature and nitric concentration accounts for the fact

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058**7**5 S0V/78-4-11-28/50

The Equilibrium in the Melts of Sodium- and Potassium Nitrates and Nitrites

that the melts of potassium nitrate and -nitrite used as a thermostatic agent in industrial catalytic processes become gradually poorer in nitrite though they are protected from contact with air. The oxidation of the nitrite at temperatures below 400° already occurs in the presence of oxygen traces. There are 2 figures, 5 tables, and 6 references, 2 of which are Soviet.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskiy institut (Ivanovo In-

stitute of Chemical Technology)

SUBMITTED: July 11, 1958

Card 3/3

S/560/61/000/008/010/010

E032/E514

AUTHORS:

17.2400

24 6700

Kurnosova, L. V., Kolobyanina, T.N., Logachev, V.I., Razorenov, L.A., Sirotkin, I.A. and Fradkin, M.I.

TITLE:

Detection of anomalies in the radiation above the southern part of the Atlantic Ocean at altitudes

between 310-340 km

PERIODICAL:

Akademiya nauk SSSR, Iskusstvennyye sputniki zemli,

1961, No.8, pp.90-93

TEXT: The second Soviet satellite carried a counter telescope designed to record the total cosmic ray intensity. This telescope was a part of a more complex device whose function was to record the nuclear cosmic ray component. A brief description of the apparatus was given by S. N. Vernov, V. L. Ginzburg, of the apparatus was given by S. N. Vernov, V. L. Ginzburg, V. Kurnosova, L. A. Razorenov, M. I. Fradkin (Ref.1: UFN, 63, No.1b, 131, 1957). The present paper is concerned only with the anomalously large counting rates obtained while the satellite was passing over certain regions of space. The telescope consisted of two groups of counters with effective areas of 120 and 25 cm². The distance between them was 35.8 cm. The amount of matter between the two groups of counters was about 4 g/cm² (largely perspex).

Detection of anomalies in the ...

26821 \$/560/61/000/008/010/010 E032/E514

Thus, the telescope recorded electrons with energies > 8 MeV and protons with energies > 60 MeV. The particle flux Thus, the telescope recorded by the telescope was greater than the cosmic ray flux at all the points where the measurements were recorded. In the region of the equator the average flux was 1.2 particle cm sec , while at high altitudes the figure was 3.3 particle cm sec . Another unexpected result was the discovery of regions with anomalously large intensities. Among these regions was that above the southern part of the Atlantic Ocean where on August 19, 1960 there was an increase in the counting rate every time the satellite passed through the region. This is indicated by Fig.1 which shows the counting rate as a function of local Moscow time. The three peaks (1,2,3) correspond to the passage of the satellite through the anomaly. The anomaly lies between 25 and 50° S and 0 and 55° W. A further anomaly was discovered between 50 and 65° S and 30° W and A third anomaly was found in the northern hemisphere 40° E. between 60 and 65° N and 137 and 170°E. It is suggested that the northern anomaly may be associated with the outer radiation belt and is affected by solar flares. The South Atlantic and Southern anomalies may be associated with the existence in the southern Card 2/4

Detection of anomalies in the ...

26821 s/560/61/000/008/010/010 E032/E514

hemisphere of large negative magnetic anomalies (Ref. 4: B. M. Yanovskiy. Zemnoy magnetizm. M., GTTI, 1953), i.e. regions in which the magnetic field strength is lower than the normal field strength. A. J. Dessler (Ref.5: J. Geoph. Res., 64, 713, 1959) has suggested that negative anomalies may act as sinks for the charged particles in radiation belts. V. L. Ginzburg has pointed out to the present authors that T. D. Carr, A. G. Smith and H. Bollhagen (Ref.6: Phys. Rev. Lett., 5, 418, 1960) have discussed the variation in the intensity of radio-waves of Jupiter and have pointed out that the longitude dependence of this intensity becomes understandable if it is assumed that there are magnetic field anomalies on Jupiter. In such regions the charged particle concentration will be enhanced and there will be an increase in the radio emission. This effect may be analogous to the increase in the intensity of radiation in the region of magnetic anomalies reported in the present paper. Acknowledgments are expressed to Professor V. L. Ginzburg and Professor N. A. Dobrotia for their advice. There are 2 figures and 6 references: 4 Soviet and 2 non-Soviet. December 27, 1960 SUBMITTED:

Card 3/4

SIROTKIN.

s/560/61/000/009/009/009 DO45/D114

9.6150

21 6000 AUTHORS:

bragun, G. S., Kurnosova, L. V., Logachev, V. I., Razorenov, L. A., Sirotkin, I. A., and Fradkin, M. I.

Equipment for investigating the nuclear components of cosmic rays TITLE:

installed on space rockets and artificial earth satellites

Akademiya nauk ESSR. Iskusstvennyye sputniki Zemli. No. 9, Moscow, 1961, 86-110 SOURCE:

· Equipment installed on the third Soviet artificial Earth catellite and on space rockets, for investigating the nuclear components of cosmic rays, is described. The results of the measurements carried out with the aid of the described devices have already been published in previous issues of the journal. All the devices consist of the following basic elements: a charged particle detector (integral Cherenkov counter); an electronic system for amplifying signals, for selecting the required ionizing events and for storing them; and elements for matching the photomultiplier output with the input of the electronic circuit and the output of this circuit with the radiotelemetric system. A block diagram of a unit for recording the nuclei

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Equipment for investigating the ...

of coamic rays is given in fig. 1. The Cherenkov counter can be used for investigating temporary changes in the intensity of the nuclear component and the dependence of this intensity on distance from the Earth. The advance tages of the counter are that the radiotechnical device used is relatively simple and that a sufficiently large number of particles can be registered per unit of time. The disadvantage of its use is that the quantity of light, divided in the detector, and the number of photoelectrons taken from the cathode of the photomultiplier is small, and consequently the value of the output pulse is small and large statistical fluctuations occur. A device for measuring the characteristics of Cherenkov counters and several aspects of calibration are described and illustrated. It is stated that the instruments for measuring the nuclear components of cosmic radiation installed on the first and second space rockets had an additional channel designed for registering radiation in an area of increased radiation intensity. A sharp increase in intensity was observed at distances of 27-10 km (first rocket) and 17-103 km (second rocket) in an area later called the inner radiation belt. A block diagram of one version of the electronic system is shown in fig. 17. As can be seen from the figure, information on the condition of

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Equipment for investigating the ...

the triggers of the accumulating system can be transmitted through the radiotelemetric system. The following parts of the radio system are described and illustrated: emitter follower; flip-flop-cells; and summation cells. The described parts were used in designing devices for measuring nuclei beyond the edge of the atmosphere; depending on the problems set and the actual conditions, a final selection of the parameters was made and essential changes in individual elements carried out. Two diagrams are included showing the arrangement of devices for registering nuclei with (1) 2 > 5 and 2 > 15, and (2) 2 > 2. The authors thank radio technician V. Earevskiy, laboratory worker V. Razhin and designer G. Yegorov for their cooperation. There are 29 figures and 7 Soviet references.

SUBMITTED: April, 17, 1961

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33305 \$/560/61/000/010/003/016 D299/D302

17.2400

AUTHORS:

Ginzburg, V. L., Kurnosova, L. V., Logachev, V. I., Razorenov, L. A., Sirotkin, I. A., and Fradkin, M. I.

TITLE:

Study of charged-particle intensity during the flight of the 2nd and 3rd Sputniks

SOURCE:

Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli. no. 10. Moscow, 1961, 22-33

TEXT: During the flight of the 2nd and 3rd Sputniks, the flow of charged particles at altitudes between 187 and 339 km and latitudes of -65 to +65 was recorded by means of a telescope consisting of 2 rows of gas-discharge counters; the telescope was part of measuring equipment for cosmic rays. As a result of the measurements, the intensity of the charged particles and its latitude dependence were determined. The counting rate N_C and

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Study of charged-particles ...

table. It was found that at all latitudes the recorded intensity was several times higher than the intensity of cosmic rays recorded in the stratosphere and in free space beyond the earth's magnetic field. This difference is particularly noticeable in the region of the geomagnetic equator, where the measured intensity was six times that of cosmic rays. Several regional anomalies of intensity were observed, apparently related to the anomalies of the earth's magnetic field. For the entire track of the space-ships, detailed graphs were made of the time dependence of the intensity and hence of its dependence on geographical ccordinates and altitude of the space-ship. From these graphs, maps were made of the intensity distribution on the earth's surface. Were made of that, with repeated passage of the space-ship above It is noted that, with repeated passage of the space-ship above the same terrestrial point and almost same altitude, the recorded intensity differed sometimes from that on the first passage; in some cases, the intensity was almost double. This difference

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Study of charged-particles...

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was particularly noticeable at high latitudes. As the orientation of the appraratus changes during the second passage, this difference in intensity may not be real. The obtained equinintensity lines for the south-Atlantic and southern anomalies constitude a clight refinement to the earlier obtained data (in the references); the maximum number of counts in the southern anomaly was 60 per second, and in the south-Atlantic anomaly it was 70 per second. The anomalies are particularly greet in the Southern Hemisphere. The intensity distributions in the anomaly regions, recorded at altitudes of 306 - 339 km and at altitudes of 187 - 265 km during the two flights, differ from each other. This difference is apparently due to the different flight—altitudes. The connection between the anomalous structure of the radiation belts and the anomalies of the earth's magnetic field is evident; it would be premature, however, to assume that the regional anomalies of the magnetic field on the earth's surface have a substantial influence on charged-particle flow up to altitudes of 200 - 300 km. The many anomalies in the South- and

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Study of charged-particles...

North-Pole regions, their disposition and variation, suggest that these anomalies are the edges of the outer radiation belt of the earth. The latitude dependence of the intensity is shown in a graph (for the Northern Hemisphere); it is noted that, at high latitudes, the increase in intensity ceases. The obtained high latitudes, the increase in intensity ceases. The obtained data on the intensity distribution give evidence of the edge effects of the radiation belts at 200 - 300 km altitude and of certain peculiar features not observed previously. In particular, the great temporal anomalies are noted; thus, the "northern anomaly" recorded on August 20, 1960, at 7 hr. 40 min. (world time) and the south-polar anomaly recorded on December 1, 1960, at 14 hr. 22 min. These anomalies are apparently due to solar activity. The line of least intensity (the "radiation equator") is shown in a figure. With regard to the composition of the radiation, it is likely that the increase in the counting rate (as compared to that from primary cosmic rays) is due to protons with Ep.

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Study of charged-particles ...

is assumed (as a working model) that the inner radiation belt if formed by protons and that the number of electrons of energies higher than ~'2 Mev is small. The above results confirm the existence of a high-intensity region down to 200 km altitude (from 1000 km). On the other hand, the radiation at 50 - 150 km is practically independent of altitude. The altitude dependence of the intensity (for 200 - 2000 km) is shown in a figure. Tontatively, the altitude h and the atmospheric density p can be expressed by the values:

h, km 100 150 200 300 400 500

c,
$$gm \cdot cm^{-3}$$
 10^{-9} 10^{-11} 10^{-12} 10^{-13} 2 x 10^{-14} 2 x 10^{-15}

h, km 600 700 800 900 1000

c, $gm \cdot cm^{-3}$ 6 x 10^{-16} 2 x 10^{-16} 6 x 10^{-17} 3 x 10^{-17} 10^{-17}

Card 5/7

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Study of charged-particles...

On the basis of the incomplete data available, the internal radiation-belt in the equatorial region for altitudes above 400 - 600 km can be approximated by a very simple model, where only the contraction located are taken into account. At higher latitudes. ionization losses are taken into account. At higher latitudes, the pattern is more complicated; it becomes necessary to render more precise the composition, spectrum and altitude-variation of the charged particles. At altitudes below 400 - 600 km, considerable deviations from the formula J p-1 occur. This considerable deviations from the formula occur. Infinite due to diffusion of the particles in a direction transverse is due to diffusion of the magnetic field; this diffusion mechanism is related to Collisions between particles. A second diffusion mechanism collisions between particles. A second alliusion mechanism exists, related to the presence of electric fields E which carse particle-drift. The diffusion processes require further investigation. Finally, the radiation dose is estimated beneath a layer of matter of the order of 4 gm/cm⁻² at an altitude of 200 - 300 km. Assuming recorded proton energies (in the equa-

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Study of charged-particles...

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torial region) of E_p \(\int \) 60 Mev, the iaily radiation dose constitutes approximately 50% of the permissible dose. In the region of the south-Atlantic anomaly at 300 km altitude, the radiation of the south-Atlantic anomaly at 300 km altitude, the radiation dose is by an order of magnitude higher than at the equator-dose is by an order of magnitude higher than at the equator-dose is by an order of magnitude higher than at the equator-dose is the first of the

SOV/79-29-3-20/61

5 (3) AUTHORS: Yesafov, V. I., Stashkov, L. I., Sirotkin, L. B.,

Suvorov, A. L., Novikov, Ye. G.

TITLE:

On the Characteristics of the α,β -Unsaturated Ketones. VII

(K kharakteristike α, β -nepredelinykh ketonov. VII)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 845-849 (USSR)

ABSTRACT:

The present paper is issued as first publication of experimental data on the hydrolytic cleavage of the aliphatic aromatic α, β -unsaturated ketones containing an aryl radical which is directly combined with the carbonyl group. Ketones of this type were obtained by dehydration of the β -ketols which had been synthesized according to the method of Grignard, V. and

Colonge, I. (Ref 2).

 $(CH_3)_3C-C=0 + CH_3COAr$ $C_6H_5N(CH_3)MgJ$ $(CH_3)_3C-C=CH_2COAr$

Experiments with respect to the hydrolytic cleavage of the

Card 1/2

 β -ketols were carried out as well. The data of table 2 show that the β -ketols are far more unstable than the corresponding

SOV/79-29-3-20/61

On the Characteristics of the $\alpha_2\beta$ -Unsaturated Ketones. VII

 α,β -unsaturated ketones and prove to be more sensitive to very weak hydrolysis reagents. Besides, the behavior of the β -ketols in the hydrolysis differs from that of the α,β -unsaturated ketones by the fact that a change of the NaOH-concentration exerts a slight influence upon the cleavage intensity of the β -ketols whereas the hydrolytic cleavage of the α,β -unsaturated ketones is considerably influenced. The rate of hydrolysis of the aliphatic aromatic ketones investigated increases significantly when the NaOH concentration is increased from 0.01 to 0.1 n. 8 β -ketols hitherto unknown were synthesized and described. It was determined how far the hydrolytic cleavage of the β -ketols and at the same time that of the α,β -unsaturated ketones develops and it was proved that the latter separate but little HBr on bromination. There are 2 tables and 4 references, 2 of which are Soviet.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet (Ural State University)

SUBMITTED: February 18, 1958

Card 2/2

SIROTKIN, L.M.

Change in the design of rectification column plates. Neftianik 6 no.3:21 Mr '61. (MIRA 14:10)

1. Nachal'nik remontno-mekhanicheskogo tsekha Khersonskogo neftepererabatyuvayushchego zavoda.
(Plate towers)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550830004-5"

113-58-6-4/16 AUTHOR: Sirotkin, L.N.____

Modernized Trucks of the Yaroslavl' Automobile Plant TITLE:

(Modernizirovannyye avtomobili Yaroslavskogo avtozavoda)

Avtomobil'naya promyshlennost', 1958, Nr 6, p 7-9 (USSR) PERIODICAL:

The Yaroslavl' Automobile Plant has modernized the serial pro-ABSTRACT:

> duction of the YaAZ-210, YaAZ-210D and YaAZ-210E trucks and produced a new model, YaAZ-214. After the modernization, the three automobiles were renamed YaAZ-219, YaAZ-221 and YaAZ-222 respectively. The effected changes are described in detail.

There are 5 drawings and 1 table.

ASSOCIATION: Yaroslavskiy Avtozavod (The Yaroslavl' Automobile Plant)

1. Automobile industry--USSR 2. Truck models--Revision Card 1/1

SIGOTKIN, L.M.

Rachine for the manufacture of paper bags for the packaging of bitumen, liefteper, i noftekhim, no.9:31-32 '66. (MRA 17:10)

1. Khersonskiy neftepererabatyvayushchiy zavod.

SIROTKIN, M.P., dotsent, kandidat tekhnicheskikh nauk.

Determination of flood-line limits in a terrain for reservoir

construction. Shor.st.po geod. no.6:49-51 154. (MIRA 9:6) (Reservoirs) (Surveying)

SIROTKIN, M.P., dotsent kandidat tekhnicheskikh nauk

Tasks of geodesy in connection with the construction of large hydrotechnical installations. Sbor.st,po geod. no.7:43-48 '54. (Geodesy) (Water resources development) (MIRA 8:11)

Electronic Control of the Control of

SIROTKIN, Mikhail Pavlovich, kandidat tekhnicheskikh nauk; FLOROVSKIY, IU.S., Federich; KUZ'MIN, G.M., tekhnicheskiy redaktor

[Geodetic work in geological and hydrological investigations for hydraulic construction] Geodezicheskie raboty pri geologicheskich i gidrologicheskich izyskaniiakh dlia gidrostroitel'stva. Moskva, Izd-vo geodezicheskoi lit-ry, 1955. 125 p. (MIRA 8:6) (Geodesy) (Hydraulic engineering)

SIROTKIN, M.P., kandidat tekhnicheskikh nauk.

Errors in computing capacities of reservoirs on the basis of topographic maps. Geod.i kart. no.7:44-49 S '56. (MLRA 9:11) (Topographical surveying) (Reservoirs)

Geodericheskiye Nobety iri Geologicheskish i Sidrologicheskikh Lyyskaniyekh Slya Sirveys for Nyd o-construction) Foskva, Geolesiadut, 1955.

125 p. illus., diagra., tables.

"Ispol'zovannaya Literatura": p. 124

3(4)

AUTHOR:

Sirotkin, M. P. Candidate of

SOV/6-58-12-8/14

Technical Sciences

TITLE:

Choosing the Scale of a Topographical Survey for the Projection of a Drainage System (O vybore masshtaba topograficheskoy

s"yemki dlya proyektirovaniya osushitel'noy seti)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 12, pp 45-47 (USSR)

ABSTRACT:

This is a comment on the paper "Choosing the Scale of a Topographical Survey and the Height of the Relief Section for the Projection of a Drainage System" by S. M. Dvoryankov in the Geodeziya i kartografiya, 1957, Nr 2. The comment was written on request of the editors who demanded a discussion on the subject. It is pointed out that choosing the scale is a task of land surveyors and architects, but primarily it is to be considered as a geodetical problem. - The paper by Dvoryankov is discussed and various discrepancies are pointed out. In a summary it is stated that the present paper is a valuable contribution, its principal value lying in the selection of the survey scale by way of experiment, which is the only proper way to solve the

problem set up.

Card 1/1

3(4)

SOV/154-59-2-22/22

AUTHORS:

Sirotkin, M. P., Docent, Candidate of Technical Sciences, Florovskiy, L. S., Docent, Candidate of Technical Sciences

TITLE:

Books on Geodesy Required by Civil Engineers and Students (Oknige po geodezii, neobkhodimoy dlya irzhenerov i studentov

stroiteley)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1959, Nr 2, pp 155-157 (USSR)

ABSTRACT:

Seven books which were published in 1956; 1957 and 1958 are discussed. Although this represents a greater number of books published on surveying than before, none of them can be recommended to a civil engineer or student in civil engineering. The demand is great and many of the books mentioned are already sold out. All these books are one-sided and do not correspond to their titles. The main deficiency of all of them is the absence of calculations to coordinate the accuracy of the recommended surveying methods with the standards laid down in civil

engineering.

Card 1/2

SOV/154-59-2-22/22

Books on Geodesy Required by Civil Engineers and Students

ASSOCIATION: Moskovskiy institut gorodskogo stroitel'stva (Moscow Institute

for Town Planning)

Card 2/2

USCOMM-DC-61,363

BELIKOV, Yevgeniy Fedorovich, dotsent; VORONIN, Viktor Aleksandrovich, inzh.; GLOTOV, Georgiy Fedorovich, dotsent; ZELENKOV, Yuriy Vladimirovich, inzh.; IVANOV, Leonid Fedorovich, inzh.; KORENEV, Gleb Sergeyevich, inzh. [deceased]; MASLENNIKOV, Anatoliy Stepenovich, inzh.; SIROTKIN, Mikhail Pavlovich, dotsent; ULITIN, Andrey Il'ich, inzh.; URUSOV, Nikita Yur'yevich, inzh.; FLOROVSKIY, Yuriy Sergeyevich, inzh.; SHAKHIDZHANYAN, Grand Aleksandrovich, inzh.; EGLIT, Vitaliy Ivanovich, inzh.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Guidebook on principles of engineering geodesy used in planning and building hydroelectric power stations] Spravochnoe rukovodstvo po inzhenerno-geodezicheskim izyskaniiam pri proektirovanii i stroitel'stve gidroelektrostantsii. Pod obshchei red. B.F.Belikova. Moskva, Izd-vo geodez.lit-ry, 1960. 447 p. (MIRA 13:11) (Hydroelectric power stations) (Geodesy)

SIROTKIN, M.P., kand.tekhn.nauk

Computing topographical volumes by methods of approximate integration. Izv.vys.ucheb.zav.; geod.i aerof. no.5:39-46 '61.

1. Moskovskiy inzhenerno-stroitel'nyy institut.

(Surveying)

SIROTKIN, Mikhail Pavlovich; BELIKOV, Ye.F., retsenzent; FLOROVSKIY, Yu.S., retsenzent; GLOTOV, G.F., red.; VASILIYEVA, V.I., red. izd-va; ROMANOVA, V.V., tekhm. red.

[Handbook on geodesy for builders] Spravochnik po geodezii dlia stroitelei. Moskva, Geodezizdat, 1962. 279 p. (MIRA 15:9) (Surveying) (Building)

SIRCTKIN, Mikhail Yakovlevich

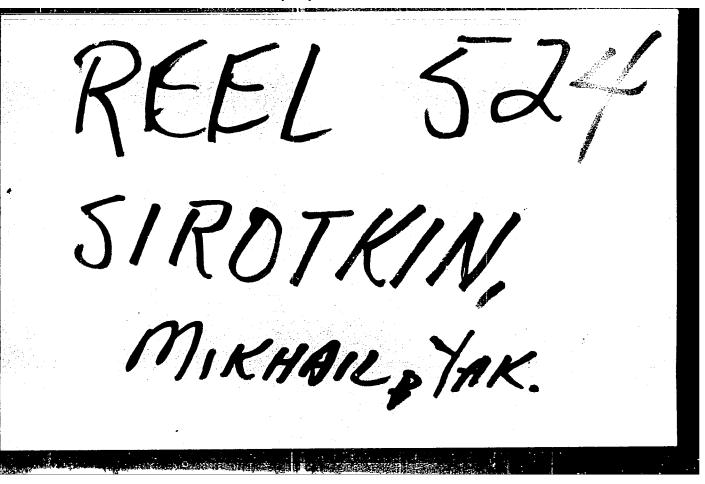
(Chuvash Pedagogical Inst)
Academic degree of Doctor of Philological Sciences, based on his defense, 1 April 1953, in the Council of the Inst of World Literature imeni Gor'kiy, Acad Sci USSR, of his dissertation entitled: "Chuvash Soviet Literature."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 222, 12 Nov 55, Byulleten' MVO SSSR, No. 19, Oct 56, Mosoow, pp. 13-24, Uncl. JPRS/NY-536

"APPROVED FOR RELEASE: 08/23/2000

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